## INSTALLATION NOTES

**DON'T RISK YOUR APPLIANCE WARRANTY**
ONLY A LICENSED PERSON WILL GIVE YOU A COMPIANCE CERTIFICATE, SHOWING THAT THE WORK COMPLIES WITH ALL THE RELEVANT STANDARDS.

AND ONLY A LICENSED PERSON WILL HAVE INSURANCE PROTECTING THEIR WORKMANSHIP FOR 6 YEARS.

SO MAKE SURE YOU USE A LICENSED PERSON TO INSTALL THIS APPLIANCE AND ASK FOR YOUR COMPLIANCE CERTIFICATE TO ENSURE THE MANUFACTURERS APPLIANCE WARRANTY WILL BE HONOURED.

Data label

Attach copy of data label here!

Date installed: .....

Installed by: .....

Compliance Certificate No .....

For service to this appliance or spare parts contact the CANNON distributor:
**Sampford IXL (spare parts)**
Phone: 1300 727 421
Fax: 1300 727 425
email: service@sampfordixl.com.au



Sampford IXL

**Cannon**
FITZROY INBUILT

Part No: F2903
*Revision K - 2010*

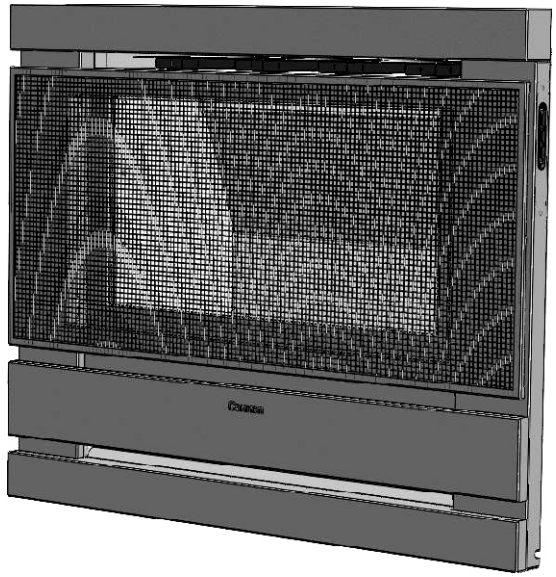
**INSTALLATION INSTRUCTIONS**

**USER INSTRUCTIONS**

**SERVICE INSTRUCTIONS**

IAPMO–R&T OCEANA™ GasMark
**Gmk10025**
**AS4553:2008**

# Cannon
# FITZROY INBUILT



***PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING THIS HEATER.***

This heater is approved for use with Natural and Propane gases.

**Please leave instructions with the owner**

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- Date installed, Compliance Certificate No.
- For service to this appliance




## NOTES

## NOTES



# Warranty

The benefit conferred by this warranty are in addition to all other rights and remedies in respect of the product that consumers have under the Trade Practices Act and similar laws of the States and Territories.

We warrant this Cannon appliance to be free of defects in materials, workmanship and manufacturing to the original purchaser for 2 years, (10 years on the heat exchanger) from the date of original purchase. We will, at our option and subject to the terms of this warranty, repair or replace free of charge this Cannon appliance or any component part, which upon examination by us or our repair agent is found to be defective in materials, workmanship or manufacturing. However, this warranty does not cover any consumables (if any). The purchaser must present the original purchase receipt to us when making any claim under this warranty.

This warranty will not apply if: (i) a compliance label or serial number (as the case may be) has been removed from the appliance or rendered illegible; (ii) the appliance has been subject to misuse, abuse, accident, incorrect installation or non-domestic use; (iii) the appliance has been modified, tampered with or repaired by a person other than our authorised repair agent; (iv) the appliance is re-installed/relocated during the warranty period.

The purchaser is responsible for all travelling expenses if the purchaser requests any repair be carried out at a place outside areas normally serviced by our repair agents.
Should you require service on this appliance, please contact our service department on 1300 727 421.

Enter the details of the date installed and the Compliance Certificate number in the appropriate area on the rear page of this manual.

Don't risk your appliance warranty

Only a licensed person will give you a Compliance Certificate, showing that the work complies with all the relevant standards.

And only a licensed person will have insurance protecting their workmanship for 6 years.

So make sure you use a licensed person to install this appliance and ask for your Compliance Certificate to ensure the manufacturers appliance warranty will be honoured.

Distributor

**This appliance is designed, manufactured and distributed by:**

Sampford IXL

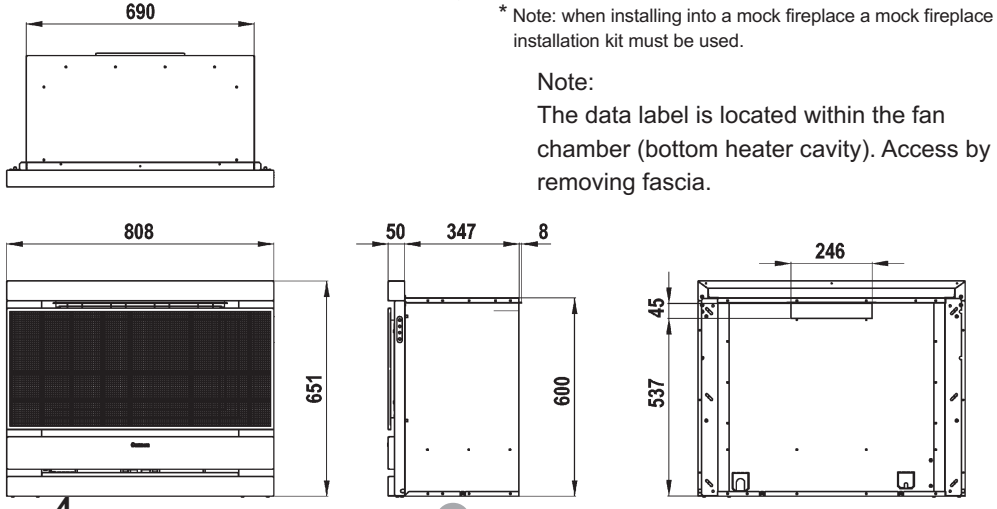
Tel: 1300 727 421

## Heater specifications

| | |
|---|---|
| Gas type: | Natural or Propane gas, as indicated on data label |
| Gas consumption: | 26.0 MJ/hr |
| Energy output: | 5.98 kW |
| Enery star rating: | 4.05 stars |
| Heater type: | Gas space heater<br>approved to AS 4553:2008 |
| Operating pressure:<br>(at burner high setting) | Natural gas: 0.75 kPa<br>Propane gas: 2.65kPa |
| Gas regulator: | Integral part of controller |
| Min. inlet pressure: | 1.13 kPa (NG)<br>2.75 kPa (Propane) |
| Fan: | 3 speed |
| Controller: | Electronic direct spark |
| Power requirement: | 240 VAC 10 A |
| Power consumption: | 90 VA maximum |
| Minimum cavity dimensions: | Height: 605mm*<br>Width: 700mm<br>Depth: 393mm |
| Optional accessories: | Glass front<br>Remote thermostat<br>Spacer kit<br>3 sided surround<br>4 sided surround<br>Console kit |
| Overall dimensions: | Refer to fig. 1 |

* Note: when installing into a mock fireplace a mock fireplace installation kit must be used.

Note:
The data label is located within the fan chamber (bottom heater cavity). Access by removing fascia.

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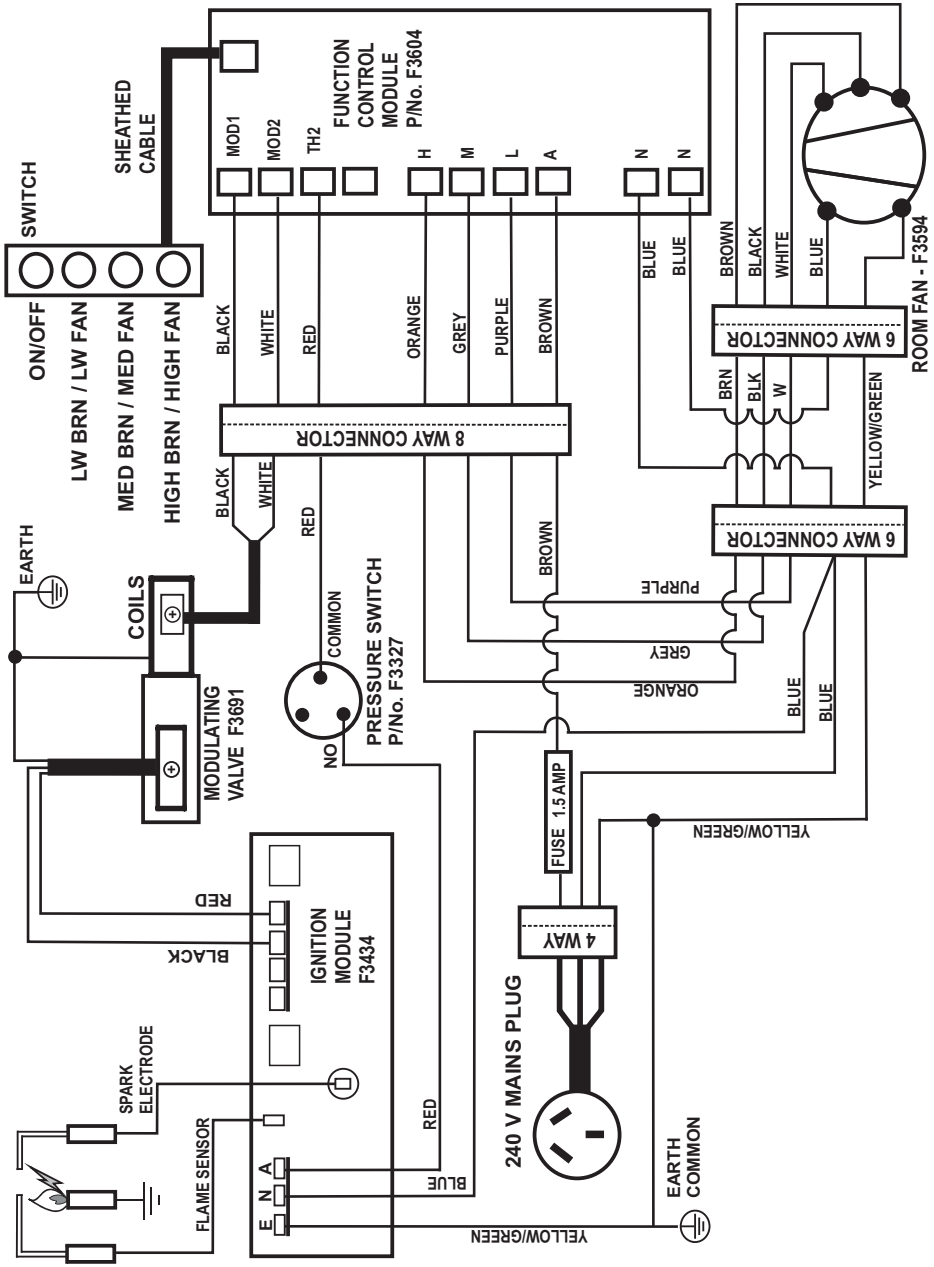
## WIRING DIAGRAM



### To remove the heat exchanger

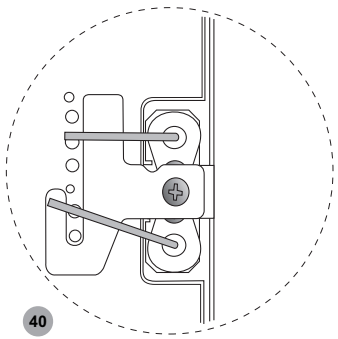
Please refer to manufacturer.

Sampford IXL

Tel: 1300 727 421

### To replace the burner and spark/sense electrodes

1. Remove the logs from the burner chamber.
2. Remove the burner chamber front inspection panel, 4 screws.
3. Disconnect the 16mm nut at the outlet of the gas control.
4. Disconnect the spark and sense electrodes from the ignition module (device).
5. Remove the burner fixing brackets (2) from the Left and Right hand side of the burner. Lift the burner assembly upward and carefully remove from the burner chamber.
6. Replace in reverse order, checking correct location of spark/sense electrodes. Spark gap between electrode and surface of burner is 4 - 6 mm. Check for gas tightness. For log placement refer page 14 of this manual.



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## Safety warnings

### Please read this manual before installing and using the heater.

**What to do if you smell gas**

1. Turn OFF the main gas supply.
2. Extinguish any open flame.
3. Open windows.
4. Do not touch electrical switches.
5. Do not use your telephone.
6. Call your gas supplier immediately from a neighbour's phone.

**Warnings**

1. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the sections of this manual for correct procedures, or consult with place of purchase, a licensed plumber, a gas supplier or the CANNON distributor listed in this manual.
2. Install the heater only in locations that are referred to in the installation instructions. Do not build the heater into bookcases, walls or enclosures without the use of a Mock Fireplace kit if appropriate for that type of installation.
3. Due to high temperatures the room heater should be located out of traffic and away from:
   Furniture and draperies
   Combustible materials
   Gasoline and other flammable liquids

**Do not place clothing or other flammable material on or near the heater.**

4. Keep curtains*, clothes, furniture and other flammable materials at least 900mm from front and sides of heater.
   ** At the owner's discretion curtain clearance can be less than 900mm as long as they are restrained from the front, top and sides of the heater. The manufacturer takes no responsibility if curtain clearance is less than 900mm and not restrained.*
5. Children and adults should be alerted to the hazard of high surface temperature and should take care to avoid burns or clothing ignition.

**This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
**Children should be supervised to ensure that they do not play with the appliance.**

6. Never attempt to burn paper or any other material in the heater.
7. **Do not place articles on or against this appliance.**
   **Do not use or store flammable materials near this appliance.**
   **Do not spray aerosols in the vicinity of this appliance while it is in operation.**
   **Do not modify this appliance.**

8. If removed, the glass window must be put back onto the unit prior to operating the heater.
9. Installation and repairs should be performed by a licensed service person only, refer to back of the instructions for service number.
10. For installation into a non-combustible fireplace, i.e.: masonry or brick or into a mock fireplace, i.e. timber or plasterboard, the chimney and base should be of sound construction and be free from cracks and holes (to ensure that sufficient flue draught can be generated).

**Note: when installing into a mock fireplace a mock fireplace installation kit must be used.**

11. The heater must be properly installed in a working chimney or connected to a venting system. Operation of this heater, when not connected into a working chimney or a properly installed and maintained venting system can result in carbon monoxide (CO) poisoning and possible death.
12. Testing the effectiveness of the flue.
    Before testing the flue confirm air vents are unobstructed. If an exhaust fan or other heating appliances are present switch them on. This is to test that there is no interaction between the Cannon heater and other appliances.

**Refer to Australian Standard Gas Installations AS 5601.**
**For 'air movement not to affect appliance' see clause 5.2.1.**
**For 'air supply to appliance' see clause 5.4.1.**
**For 'ventilation requirements' see clause 5.4.3.**

13. The appliance should be inspected prior to use, with regular inspections (annually) to be made by a licensed service person. It is important that circulating air passageways of the appliance be kept clean, dirt and lint free, for a safe and efficient operation of the heater.
14. The first time you use your heater a smell may occur due to its new condition. This is quite normal and will disappear after a few hours use at the maximum control position.

**Important:**
**When the heater is operating the mesh guard/glass front is hot. The mesh guard, or glass front, fitted to the heater conforms to Australian Standards requirements.**
**The guard is fitted to this appliance to reduce the risk of fire or injury from burns and no part of it should be permanently removed.**
**For protection of young children or the infirm, a second guard is required.**

Standards
This appliance meets the following standards (When installed correctly):
Standards Australia: AS/NZS 3100
AS 5601
AS 4553:2008

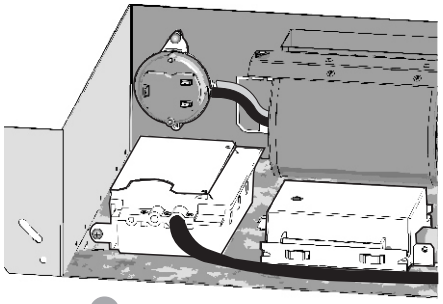


**To replace the room circulation fan**

1. Remove the fascia. Refer page 12 of the installation instructions.
2. Remove the front screw retaining the bracket mounting the valve controls (white box). Move the bracket and controls to the front of the heater.
3. Disconnect the fan plug from the plug carrier. Remove the two M5 wing nuts which locate the fan to the fan chamber underside. Lower fan from male thread.
4. Disconnect the silicone tubes from the fan pressure switch. Remove fan from fan chamber.
5. Remove the venturi and bracket from the fan removed from the heater. Insert and secure the venturi and bracket on replacement fan. Note "TOP" should point to air outlet of fan.
6. Insert fan into chamber ensuring that the venturi is not disturbed. Locate fan onto male thread. Secure with M5 wing nuts, ensuring rubber buffer locates over thread.
7. Replace silicone tubes onto fan pressure switch ensuring that the black tube is connected to the black side of the pressure switch. Check to make sure that the tubes are not kinked or pinched.
8. Reconnect fan plug into plug carrier. Test operation of room circulation fan and fan pressure switch - turn heater on low heat. The fan should operate immediately. There should be a 5-10 second delay for the fan pressure switch to energise depending on room temperature.

**To replace fan pressure switch**

1. Remove the fascia. Refer page 12 of the installation instructions.
2. Remove the screw retaining the bracket mounting the valve controls (white box). Move the bracket and controls to the front of the heater.
3. Remove the connecting wiring from the pressure switch.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4. Remove the silicone tubes from the pressure switch.
5. The pressure switch is secured onto the rear of the fan chamber housing two M4 screws.
6. Replace the pressure switch. For wiring, one wire to "C" (common) and the other connect to "NO" (Normally open). Polarity not important.
7. Re-attach silicone tubes making sure that the black tube attaches to the black side of the pressure switch. Make sure that the tubes are not pinched or kinked.
7. Test operation of fan pressure switch - turn heater on low heat. There should be a 5-10 second delay for the fan pressure switch to energise depending on room temperature.

# Service Instructions - (Do not modify this appliance)

**General**

1. Service work to be carried out by an authorised service person only.
2. Unplug from wall socket or turn off power at main switchboard if heater is hard wired.
3. Always shut off the gas supply and ensure that the heater is cool before commencing any service operations.
4. Always check for gas soundness after servicing.

**To replace the primary glass**

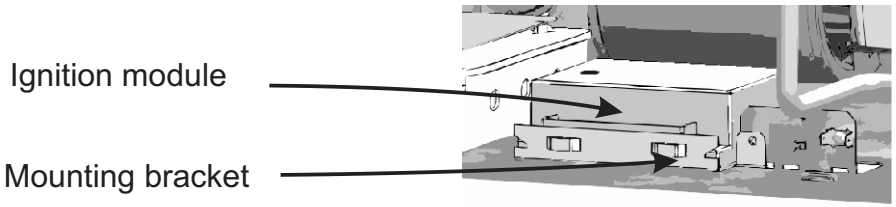
1. Refer page 12 of the installation instructions. Fit the new glass.

***Note: Ensure the inside surface of the glass is clean and free from finger marks.***

**To replace the gas control valve**

1. Remove the fascia.
2. Unplug the cables from the gas control and disconnect the earth connection.
3. Disconnect the gas inlet (½" compression nut) connection at entry gas control and the 16mm nut at the outlet of the gas control.
4. Remove the three M3 screws from the cradle retaining the gas control.
5. Remove gas control valve from heater.
6. Replace gas control and check for gas tightness.

***Note: check the gas pressure on high and low burner settings. Refer "gas control", pages 17 and 18.***

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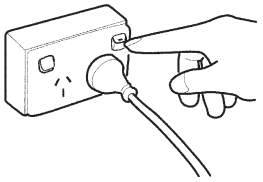
**To replace the ignition module (device)**

1. Unplug wire connectors from ignition module.
2. Remove module mounting bracket by removing mounting screw.
3. Using pliers bend tabs so that module can come away from the mounting bracket.
4. Replace ignition module and ensure that all wires are reconnected correctly.



# User instructions

**Operating instructions**



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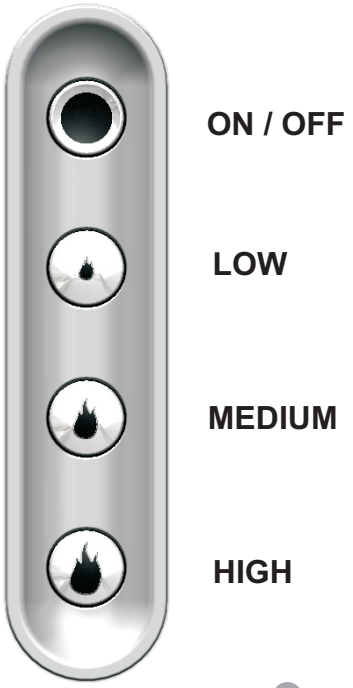
Plug the power cord into the wall socket and turn on the power to the heater (see figure 2). Refrain from using an extension cord. Alternatively, switch on the isolation switch and circuit breaker at the main switchboard if the heater has fixed wiring.

**User controls, figure 3**

When there is power available to the heater and it is in the OFF or Standby mode, a red LED located inside the ON/OFF button will flash twice and will extinguish for approximately 3 seconds and then repeat this cycle continuously.

- To turn the heater ON press the ON/OFF button once.
- The LED will illuminate and stay lit but there will be approximately 5 seconds delay before the ignition system commences. On successful ignition the heater will operate on Low Fire and Low Fan for approximately 3 minutes then will switch to selected setting (if already chosen).
- The LED will extinguish approximately 30 seconds following the ignition startup.
- Select the desired Heating level by pressing the LOW, MEDIUM or HIGH button once as required.
- LOW is LOW heat and LOW speed fan. HIGH is HIGH heat and HIGH speed fan.
- To turn the heater OFF press the ON/OFF button once. The burner will extinguish but the fan will continue to operate for approximately 3 minutes.
- If the Ignition system fails to ignite or keep the burner alight, press the ON/OFF button once to turn off the heater. Wait at least 20 seconds before attempting to turn the heater on again. Remember that the fan will continue to operate for approximately 3 minutes after the OFF button has been pressed but you can turn the heater ON again without having to wait for the fan to stop operating.
- If there is an interruption to the power supply the heater will fail safely and switch off. When the power supply has been restored adopt the 20 seconds waiting rule before turning the heater ON.

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# Cleaning

All cleaning should be carried out when the heater is cold. Normally the heater should only need wiping with a lint-free damp cloth. Any stubborn stains can be removed with a non-abrasive spray on cleaner. If an abrasive cleaner is used the paint finish will be damaged.

**For heater fitted with the glass front:**

All cleaning should be carried out when the heater is cold. Clean the outer glass with a mild liquid or spray on glass cleaner.

Do not use harsh abrasive cleaners or sharp metal scrapers to clean the heater glass front since they can scratch the surface, which may result in shattering of the glass.

Internally the heater should only be cleaned by an authorised service person listed in this manual.

If your heater requires attention contact your supplier or authorised service person listed in this manual.

## Flame characteristics

The heater flame should be stable, not lifting from the burner. The logs should glow after approximately 15 minutes operation on HIGH setting.

The heater is a fuel effect unit and is designed to operate with luminous flames and may exhibit slight carbon deposit on the logs. If there is any excess carbon build-up on logs, or the burner flame is unstable, contact Sampford IXL in your state (See rear page).

**Important:**

The appliance should be inspected before use and at least annually by an authorised service person. More frequent cleaning may be required due to excessive lint build-up from carpeting, bedding materials, pet hair, etc.

It is imperative that control compartments, burners and circulating air passage ways of the appliance be kept clean.

Do not use this fire if the glass is cracked or with the glass safety screen removed.

Do not use fire with broken or missing logs.



| | |
|---|---|
| 8. Sparks, ignites on low flame then extinguishes after 10 seconds. Continues to spark during flame presence. | • Check that the wall socket to the appliance has correct polarity. Do not use an extension cord. Check polarity in the electrical supply lead to appliance.<br>• Check that the sense electrode is in the flame.<br>• Check that appliance is earthed correctly. A check between the earth pin on the plug and an unpainted part of the appliance should see a resistance of 0.1 ohms. |
| 9. No gas to burner. | • The gas valve should open at the same time as the igniter sparks. If there is no gas to the burner when this occurs, check the solenoid coils for continuity.<br>• Check that the gas pressure is present at the test point when the spark is being generated.<br>• Check that there is gas to the inlet of the gas control. |
| 10. Appliance lights but goes into lockout. | • Test the flame for correct ionisation signal. Connect multimeter in series with the flame rod and set the function to measure micro-amps. The module will go into lockout if the flame current sensitivity is less than 0.5 micro-amps. The approximate signal strength on high flame is about 10 micro-amps and on low 4 micro-amps. The signal strength will fluctuate but should be greater than 1.5 micro-amps at all times. Take precaution because the ionisation probe can have a high negative voltage and can cause electric shock. |
| 11. Fuse blowing. | • If the fuse continues to blow, check the solenoid coils for signs of them being shorted.<br>• Check the fan and wiring for short circuit. |

# Trouble-shooting - (Do not modify this appliance)

To check the operation of the electronic (module) controller you will require a digital multimeter with the functions to measure AC/DC voltage, continuity, resistance and microamps.

It is critical that the appliance is earthed and that the active and neutrals are not reversed.

| Item No Check | Action |
|---|---|
| 1. No ignition when appliance is turned on. | • Check 240 volt power to the heater in incoming plug connector.<br>• Check operation of room circulating fan. If the fan has malfunctioned, or is faulty, the fan pressure switch will recognise this and not allow the heater to function.<br>• Check operation of fan pressure switch. If room circulation fan is operating the pressure switch should energise and allow ignition sequence. |
| 2. Power present but appliance not operating. | • If there is power to the brown wire in the 8 way switch connector the module may be in lockout mode. To reset the module turn off the power supply for 10 seconds and then turn the power on again. |
| 3. After resetting the module and appliance is still not operating. | • Check the external 1.5-A fuse in the loom. |
| 4. If the fuse is O.K. and still the appliance is not operating. | • Check other connections are in place.<br>• If the last checks are correct the ignition electrode should spark at the same time as the gas control solenoid valve opens. At this point the spark electrode will activate for up to 10 seconds maximum until the flame has established. Terminal 13 (white wire into the 8 way switch connector) will be energised as soon as the flame has been sensed. |
| 5. Confirm spark is produced when heater is turned on. | • A blue spark can be seen when the heater ignition process starts. Ensure spark is present between electrode and burner.<br>• The spark gap should be 4 - 6 mm. |
| 6. If no spark is being produced. | • Check that spark lead is connected into module.<br>• Check the continuity of the HT cable.<br>• Check that there is no short circuit to earth and spark gap is correct. A positive check is to use a jumper wire and connect one end to the earth and hold the other end with insulated pliers 4mm from the spark generator on the module. If there is no spark to earth then change the module. |
| 7. Spark is being produced but not at burner. | • Listen for crackng sound. The spark is misdirected. Check the spark ceramic insulator for signs of cracks. |



# Installation instructions

1. This appliance is to be installed by an authorised service person only.
2. This appliance shall be installed in accordance with the manufacturer's Installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, and AS5601 the Australian Standard for gas installations.

Refer also to AS5601 for pipe sizing tables.

3. Remove the heater from the carton and remove the three transit screws. Check that the heater is suitable for the gas available. Refer to the data label located within the fan chamber (Bottom most area with fascia removed).

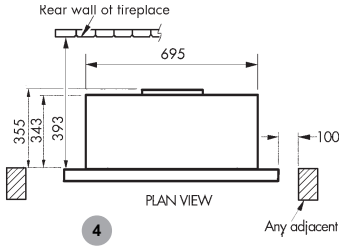
(Please dispose of packaging appropriately, keep away from children).

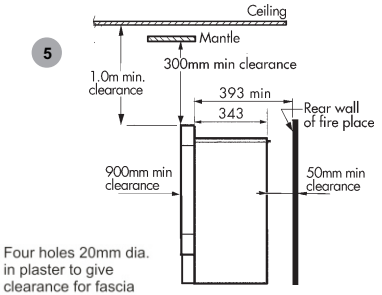
## Clearances

4. Ensure the minimum clearances to combustible materials are maintained during installation, including adequate space for the proper operation and servicing of the heater. For clearances to furniture and curtains refer to warning on page 5.

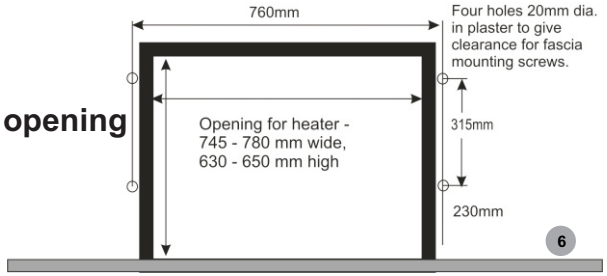
For minimum clearances refer figures 4 and 5.

Note: Ensure that the combustion air opening under the heater is not obstructed.




**Fireplace opening**


760mm
Four holes 20mm dia. in plaster to give clearance for fascia mounting screws.
Opening for heater - 745 - 780 mm wide, 630 - 650 mm high
315mm
230mm
6

A CLEARANCE OF 50mm MUST BE MAINTAINED BETWEEN THE REAR OF THE CABINET AND THE REAR WALL OF THE FIREPLACE.

The clearance is required for correct fluing of the appliance. If the clearance is less than 50mm a spacer kit must be fitted. The spacer can be ordered from the Cannon distributor.

Order specification for the spacer is 'BSPACERX-B' (black finish) or 'BSPACERX-P' (platinum finish).

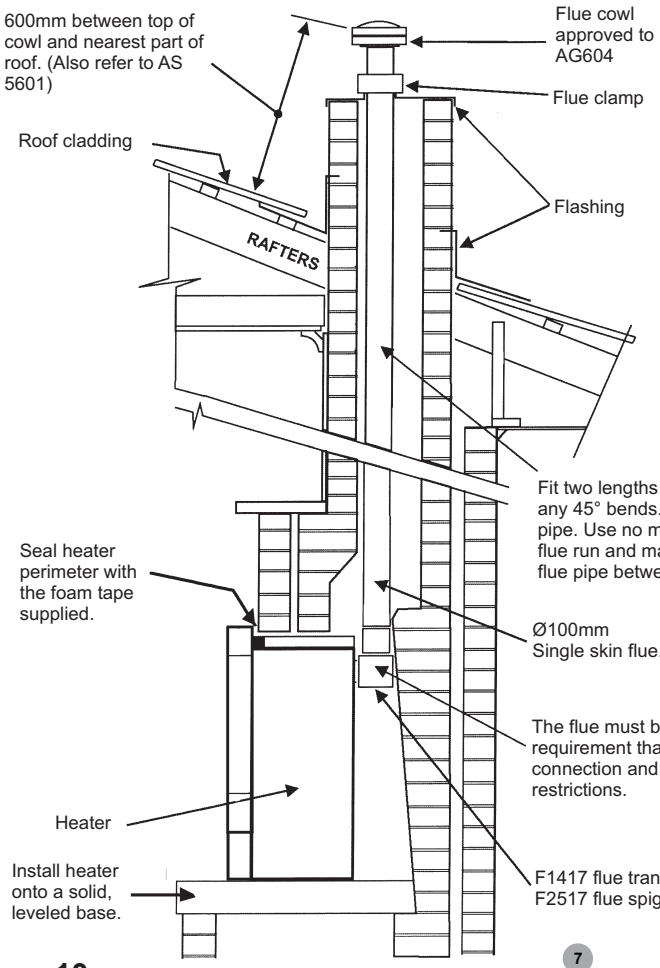
### Installation into a masonry/brick or mock fireplace

5. Models FITZIB-NG & FITZIB-LP can be installed into a masonry/brick fireplace or a mock fireplace. If installing into a mock fireplace a mock fireplace installation kit MUST be used. The mock fireplace kit can be ordered from the CANNON distributor. Order specification for the part is 'MOCKKITRO'.

For installation into a masonry or brick fireplace WITH a flue connection, refer figure 7. For installation WITHOUT refer figures 8 & 9. After installation of the heater test the flue to confirm air vents are unobstructed. If an exhaust fan or other heating/ventilation appliances are present, switch them on. This is to test and ensure that there is no interaction between the Cannon heater and other appliances.

**Refer to Australian Standard Gas Installations AS 5601:**
**For 'air movement not to affect appliance' see clause 5.3.1.**
**For 'air supply to appliance' see clause 5.4.1.**
**For 'ventilation requirements' see clause 5.4.3.**

**An example of an installation with a flue fitted.**
**(in most cases only a single skin flue is required)**


600mm between top of cowl and nearest part of roof. (Also refer to AS 5601)
Flue cowl approved to AG604
Flue clamp
Roof cladding
Flashing
RAFTERS
Fit two lengths of vertical flue (1.8m) before fitting any 45° bends. If bends are used, fit inside of flue pipe. Use no more than two 45° bends in the total flue run and maintain at least 250mm of straight flue pipe between the bends.
Seal heater perimeter with the foam tape supplied.
Ø100mm
Single skin flue.
The flue must be rigid and self-supported. It is a requirement that the heater has a slip flue connection and can be removed without any restrictions.
Heater
Install heater onto a solid, leveled base.
F1417 flue transition rectangular to 100mm round.
F2517 flue spigot is also required.

**Be careful!**
**Installing a flue on the shortest wall may subject it to down draughts or reverse air flows through the heater which can be difficult to find a solution to. Always adopt correct flue design practices.**
**In windy locations consider installation of a powerflue version heater or at least an anti down draught cowl to reduce any flue operation problems.**
**The heater has been tested and should operate satisfactorily with an optimum flue length of 4.5 meters.**
**Exceeding this length may affect the stability of the flame pattern and the operation of the heater. Contact our technical support department if any further advice is required.**

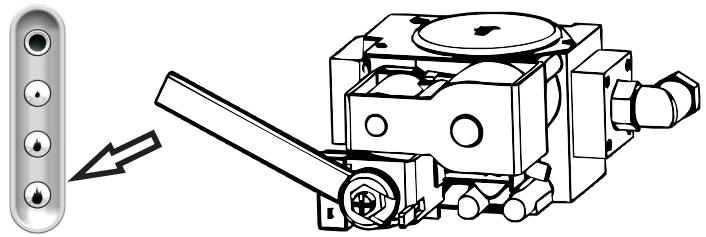
7



# Installation tips

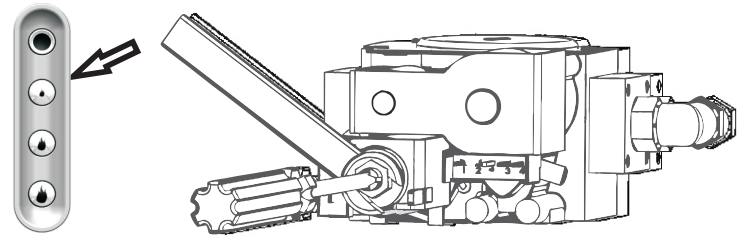
- Test the operation of the chimney before installing the new heater.
- **Be careful!** CANNON heaters are high efficiency products with low flue gas temperatures (typically 100°C) so if you are replacing an older type radiant heater with a much higher flue gas temperature (150°C or higher) make sure of the integrity of the fireplace and chimney before installing the new CANNON log fire.
- A solid, levelled and smooth base is required (fill gaps with fibreglass insulation if necessary).
- Avoid installing into large volume fireplaces and chimneys and not fitting a flue. (It is better to install a flue in these applications).
- We recommend cleaning or sweeping the chimney and fireplace before the installation of the heater commences.
- There must be a good seal around the heater, gas piping and electrical cable rear entry to stop any leakage of combustion products. Do not use adhesives or silicone sealant, the heater must be able to be easily removed if necessary.
- Install a chimney plate and cowl to the chimney opening using weather-proof mortar to common building practice.
- Remove any curved firewall that slopes too far forward to the fireplace opening as it causes restriction to the flue path above the heater flue outlet.
- Make sure that the heater is fully commissioned and be certain to conduct a test of the integrity of the flue operation, taking into account any influences created by rangehoods, exhaust fans, central heating, etc.
- To avoid any unnecessary delays and inconvenience to your customer please contact or Technical Services Department on **1300 727 421** if the installation is unusual or you have concerns with the installation and/or heater operation before the installation commences.
- Any service requests resulting from incorrect installations are not covered by our warranty conditions and these calls will result in charges, usually to the end user, so please ensure that the installation and commissioning has been satisfactorily carried out before calling for any warranty service.
- Please make sure that your customer is fully instructed on how to operate the heater.

3. Switch the control buttons to ‘High flame’ position as indicated in figure 27 and using a spanner adjust the pressure to 0.75 kPa for Natural gas or 2.65 kPa for LPG. (Turn clockwise to increase pressure and anticlockwise to decrease pressure).



27

4. Switch the control buttons to ‘Low flame’ position as indicated in figure 28. Retain spanner in position and using a screwdriver adjust the central screw control to give a pressure reading of 0.4 kPa for Natural Gas and 1.1 kPa for LPG. (Turn clockwise to increase pressure and anticlockwise to decrease pressure).



28

5. Switch heater off and remove the manometer tube. Tighten pressure test point by turning the captive screw fully clockwise.

6. Replace plastic cap. Ensure the little lug is positioned towards lower right hand side to clear the controls.

7. Refit the fascia, making sure not to damage the power cord or switch cable.

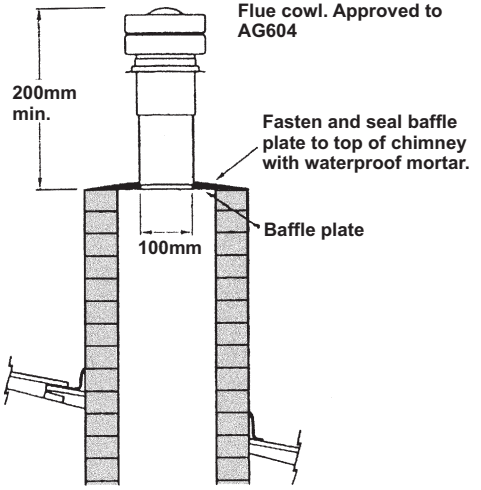
8. Follow user instructions to turn on heater.
Operate the heater of HIGH, MEDIUM and LOW settings.
The flame should be stable, no lifting from the burner and the logs should glow after approximately 15 minutes of operation at HIGH burner.

If the flame is unstable:
- Check that the burner is located correctly.
- Check that the glass front is located correctly and is against the sealing rope.
- Check that the gas pressure is correctly adjusted.

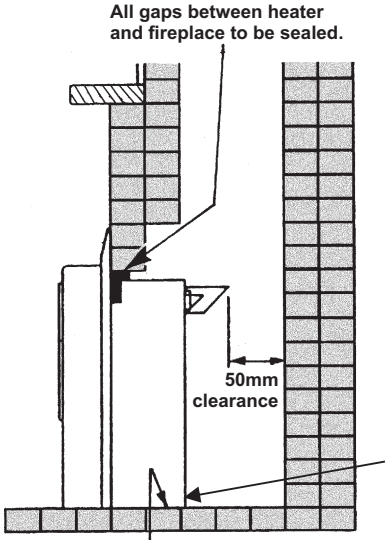
If the heater still does not operate to specification refer to the troubleshooting chart on pages 20 & 21, or contact Sampford IXL in your state.



**Installation WITHOUT a flue connected**


Flue cowl. Approved to AG604
200mm min.
Fasten and seal baffle plate to top of chimney with waterproof mortar.
Baffle plate
100mm

8


All gaps between heater and fireplace to be sealed.
50mm clearance
All gaps between heater bottom case and base of fireplace to be sealed.

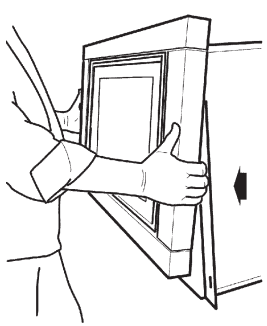
Seal gas pipe and cable holes with a suitable removable material.

9

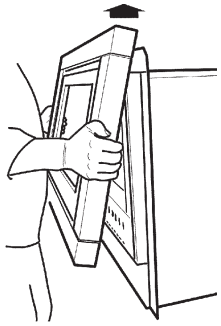
## Front Fascia removal

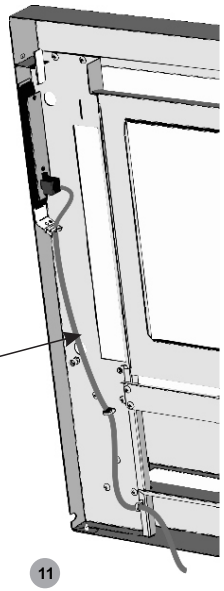
1. Remove the wire mesh grille by gently lifting it upwards and then outwards. Similarly remove a fitted glass kit by also gently lifting it upwards and then outwards.

2. Remove 4 M5 screws fixing the fascia assembly to the heater body. Bring the bottom of the fascia towards you gently to partly disengage it from the body of the heater. After it has been disengaged gently lift it up vertically to completely disengage it from the body of the heater. Refer figure 10.



10

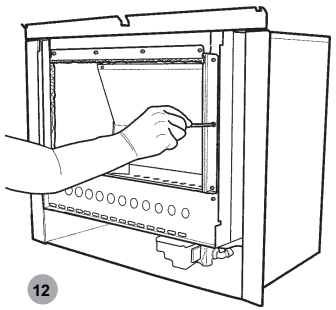




To fully remove the fascia, unclip the switch cable from the cable connector on the PCB and unclip the cable from the clipping points on the rear of the fascia.

11

3. To remove the inner glass: see Fig 12. Loosen off the top horizontal screws only. Completely remove the two vertical side clamps. Try not to touch the front surface of the glass to avoid finger marks. Remove the glass by gripping each vertical side and lifting out from the bottom. Place the glass in a safe position for refit later.



12



## Gas control

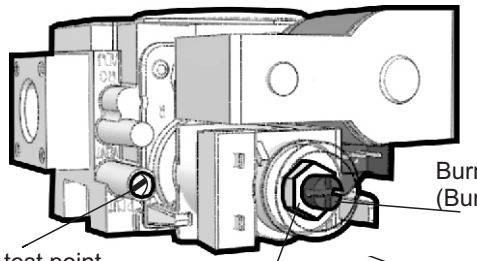
1. Gas control layout is as indicated in figure 24.

Pressures for 'Burner full on' and 'Burner low flame' are factory set, however if pressures need to be checked or adjusted follow the procedures described below and on the next page.

**Important! To achieve the correct visual flame effect:**

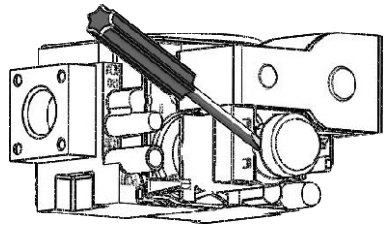
**On Propane the gas pressure must be set at 2.65 kPa with burner operating on maximum setting.**

**On Natural Gas the gas pressure must be set at 0.75 kPa with burner operating pressure on maximum setting.**




24

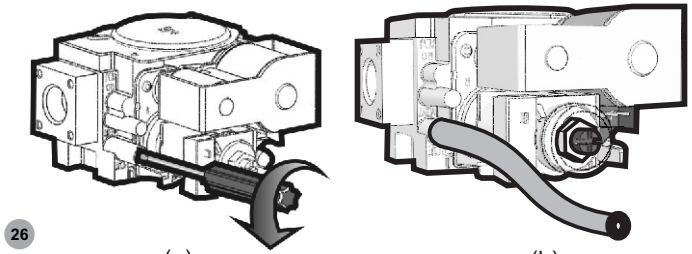
To check control outlet pressure at burner 'full on' and 'low flame' positions remove the plastic cap from the regulatior adjustment location as indicated in figure 25.



25

**Gas pressure sampling point**

2. The pressure point is closed with a captive screw. Turn screw 6 revolutions anticlockwise to open the pressure point as indicated on figure 26 (a) and place manometer tube over the test point as per figure 26 (b).

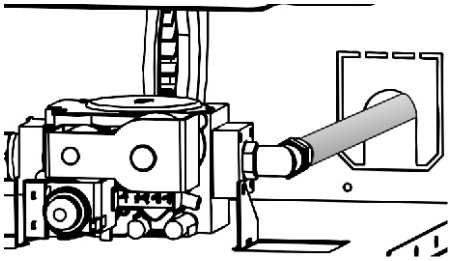


26

(a) (b)

## Gas connections

1. Push the gas inlet access plate into the heater cabinet and slide the heater into the fireplace ensuring that the gas inlet pipe is fed through the hole located at the rear right hand side of the heater at the bottom. Refer to figure 21 and connection dimensions in figure 23.

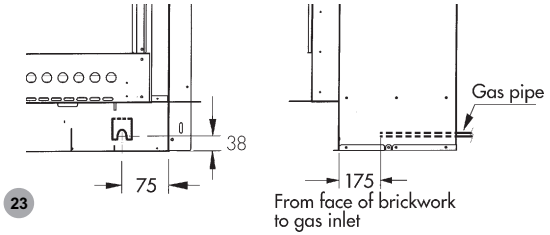


21

2. With heater in position, flanges should be hard against masonry. Secure case flanges to the masonry. Screw or bolt the flange through the slots provided (figure 22).

22

3. Connect the gas supply pipe to the copper compression fitting provided (we recommend using a basin wrench).
Push the gas inlet plate down to its original position and seal with an appropriate easily removable material. Do not seal with a silicone sealant as the heater must be easily removable.
Sealing is important as it prevents any leakage of flue products into the room.
Test all connections for gas leaks.




23



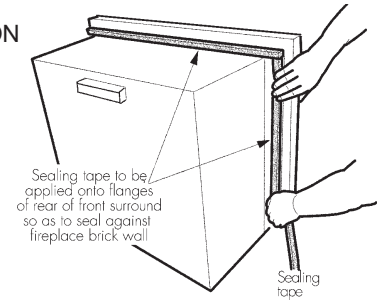
## Sealing the Fascia

All gaps between heater case and fireplace are to be sealed. Seal with foam tape around top and sides of heater flange. Refer figure 13.

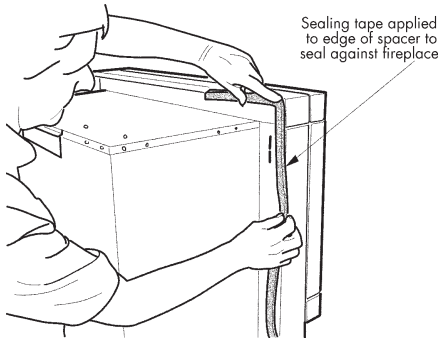
13

DO NOT SEAL WITH SILICON

Seal with fibreglass between bottom of heater case and base of fireplace.


Sealing tape to be applied onto flanges of rear of front surround so as to seal against fireplace brick wall
Sealing tape

If using a spacer to compensate for lack of chimney depth ensure the tape is placed on the outer rim of the spacer flange. Refer figure14.

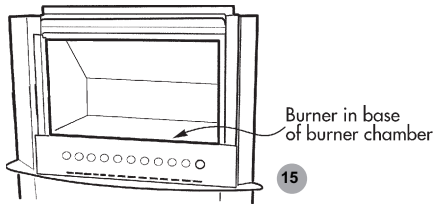



14

## Log installation

1. The burner is contained within the burner chamber. Refer figure 15.
2. Carefully unpack the log set. Logs are numbered as follows:

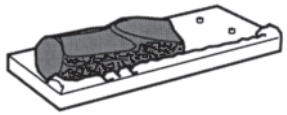
#1 - Left front log
#2 - Left back log
#3 - Right front log
#4 - Right back log



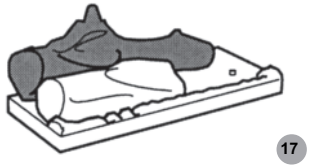
15

Position the four individually numbered logs in the following order on the burner head as shown in figure 16-19. The male locating pins on burner head must engage with corresponding holes in the individual logs.

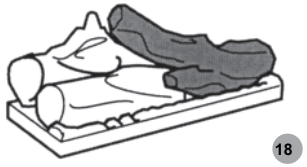
a) Place log #1 into the 2 front left pins on the burner head, ensuring that the charring faces the front. Refer figure 16.


16

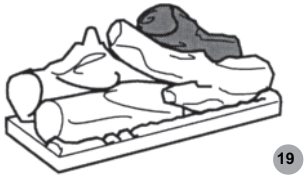
b) Place log #2 onto the 2 left back pins. Refer figure 17.


17

c) Place log #3 on single right front pin, ensure fork locates over log #2. Refer figure 18.


18

d) Place log #4 on single right back pin, ensure left side of log rests on depression in #3 log. Refer figure 19.


19

3. Refit the inner glass, making sure not to over tighten the screws.

4. Reconnect switch loom to the fascia switch set.

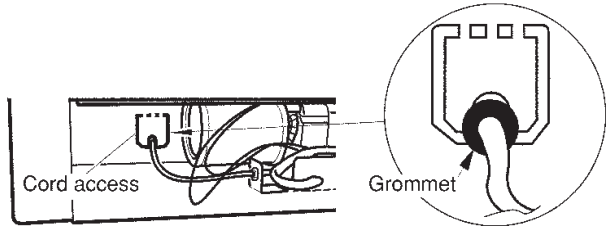
5. Replace the fascia.

6. Connect plug to the wall socket and switch it on.



## Electrical Connection

**This appliance is designed to operate on 240V AC power supply. Failure to operate unit at correct supply voltage may created unsafe conditions.**



20

The heater is supplied with a flexible power cord with a plug fitted.

A 10 Amp powerpoint (socket) must be located within 1.5m of the heater.
For installations where the powerpoint is located outside of the enclosure, locate the power cord in the fascia cut out on the left or right hand side as required.

For a power supply connection located inside the enclosure run the power cord through the cord access located on the rear panel at the lower left hand side by pushing the cord access plate from the bottom.

The rubber grommet that is fitted over the cord must be located correctly in the cut out of the cord access plate (see figure 20).

Restore the cord access plate to the original position and seal with an appropriate removable material, this is especially important when the installation is in a chimney with no flue fitted to eliminate the possibility of any leakage of flue products into the room.

A suitable double pole isolation switch must be installed externally for servicing or emergency shut down of the heater.

All fixed wiring must be installed by a suitably qualified person and comply to the appropriate electrical wiring rules and gas installation standards.